G-POWER

TIMKEN

Timken G-Power Single-Point Lubricators

WORLDWIDE LEADER IN BEARINGS AND STEEL

G-POWER INSTALLATION AND OPERATING INSTRUCTIONS

French and Spanish versions of this instruction sheet are available online at www.timken.com/powerlubricators by clicking on either the "G-Power Instruction Sheet" or "M-Power Instruction Sheet" links. To locate the MSDS sheet for this product, visit www.timken.com/powerlubricators and click on the "MSDS" link.

La version en français et en espagnol de cette feuille d'instruction est disponible en ligne à www.timken.com/powerlubricators al cliquant sur les liens "G-Power Instruction Sheet" ou "M-Power Instruction Sheet."

Pour trouver la Fiche signalétique sur ce produit visitez www.timken.com/powerlubricators et cliquez su le lien "MSDS."

Las versiones en francés y español de esta hoja de instrucciones están disponibles en línea en www.timken.com/powerlubricators al hacer clic, bien sea en los enlaces "Hoja de Instrucciónes para G-Power" o en "Hoja de Instrucciónes para M-Power."

Para ubicar la Hoja de Datos de Seguridad sobre Materiales (MSDS) para este producto, vaya a www.timken.com/powerlubricators y haga clic en el enlace "MSDS."

WARNING: Follow installation instructions. Prior to installation, ensure that the unit has a free path to discharge lubricant. Never place near high heat sources or equipment that may produce sparks or flames. Lubricant harmful if swallowed. If ingested, do not induce vomiting and contact a physician immediately. Avoid direct contact with skin. Contents are under pressure. Do not remove or open the device when in operation. Do not take apart or attempt to modify the device except for replacement as directed in installation instructions. Dispose of used devices properly.

Thank you for purchasing a Timken G-Power Lubricator.

Enclosed is your Timken G-Power canister and activator. The following instructions will guide you through activating, installing and mounting your unit. Be sure to read the safety instructions on the back of this page prior to use or installation.

Model	Lubricant Volume	Temperature Range	Maximum Discharge Pressure	O-Ring Color	Activator Colors
101	4.05 fl. oz. (120 cc)	32˚ F to 104˚ F (0˚ C to 40˚ C)	65 PSI (4 bar)	Black	Yellow, Green, Red and Gray
102	3.38 fl. oz. (100 cc)	32˚ F to 104˚ F (0˚ C to 40˚ C)	65 PSI (4 bar)	Pink	Yellow, Green, Red and Gray
103	4.05 fl. oz. (120 cc)	-13˚ F to 50˚ F (-25˚ C to 10˚ C)	65 PSI (4 bar)	Black	Brown or Black only

■ FIRST THINGS FIRST:

Activator Color	Yellow	Green	Red	Gray
Activator Type	Type 1	Type 3	Type 6	Type 12
Days until discharge	**1** day	**3** days	**6** days	**12** days

1. We recommend activating the unit prior to installing it.
2. Do not expect immediate discharge. Operating pressure takes from 1 to 12 days to develop, depending on the type of the unit and activator.

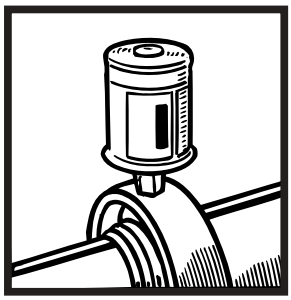
■ TO ACTIVATE AND INSTALL THE UNIT:

1. Take the plastic activator and begin to hand tighten in the opening on the top of the unit. G-Power Model 101 and 103 activators are recognized by their black O-ring seals and Model 102 activators by their pink O-ring seals.
2. When the activator becomes hand tight, take a screwdriver and insert through the O-ring (Fig. 1).
3. Continue to tighten the activator until the O-ring breaks off (Fig. 2). **DO NOT** break the O-ring off by hand; this could jeopardize the activation.
4. Shake the unit until you hear the pellet rattle inside, launching the chemical-dispensing reaction.
5. Write the installation date and expected replacement date on the label.
6. Prior to installation, **ALWAYS** pump several shots of grease into the bearing/lubrication point.
7. Remove the zerk fitting or plug.
8. Remove the black outlet plug from the canister.

FIG. 1

FIG. 2

FIG. 3



THE TIMKEN COMPANY

9. The threads on G-Power units are ¼". If your zerk is ⅛" or something else, you will need an adapter. No matter what size, mount **hand tight only**.
10. Remember all fittings, grease lines, and hosing must be pre-charged with the same lubricant that is in the Timken G-Power unit.
11. Equipment requiring greater amounts of grease can be lubricated by mounting G-Power units in series using standard Timken accessory parts.
12. Grease units may be mounted in any direction, even under water.
13. **All oil-filled Timken G-Power units require a check valve.**

REMOTE INSTALLATIONS

G-Power units may be remote-mounted by means of pipefittings or hoses. This allows continuous lubrication of hard-to-reach locations. Use ¼" pipe fittings or ⅜" tube/hose. Hoses should be rated at a minimum of 150 PSI. Make sure long fittings and hoses are pre-filled with the same or compatible lubricant.

Activator Color	Yellow	Green	Red	Gray
Activator Type	Type 1	Type 3	Type 6	Type 12
Days until discharge	1 day	3 days	6 days	12 days
Maximum Remote Mounting Distance	**6 feet** (183 cm)	**4 feet** (122 cm)	**2 feet** (61 cm)	**1 foot** (30.5 cm)

Contact your local distributor or The Timken Company for a copy of the accessory brochure or for assistance with installation. Additional information is available at www.timken.com/lubricant.

IMPORTANT NOTES:

1. Do not remove the G-Power unit until its replacement date. If the unit is removed during use, it will take longer to regenerate lost pressure than when first activated.
2. Never loosen or remove the activating screw during use, as this will destroy the integrity of the pressure chamber.
3. Be sure to replace the unit at the end of its prescribed life.
4. Do not open or puncture the canister.

SAFETY INFORMATION

In addition to observing warnings on the product and throughout the operating instructions, be sure to observe the following precautions for the use, handling and storage of this device. **Warning: Proper maintenance and handling practices are critical. Failure to follow installation instructions and to maintain proper lubrication can result in equipment failure, creating a risk of serious bodily harm.**

- Retain the product's safety and operating instructions for future reference. Follow all operating and usage instructions. Consult the latest Material Safety Data Sheet (MSDS) for any lubricant before using, handling or storing this device.
- Do not remove or open G-Power devices when in operation. All G-Power devices utilize pressure to deliver lubricant to the application. Removing the device while the contents are under pressure can cause damage to the unit and may result in severe bodily injury.
- Ensure that the unit has a free path to discharge its lubricant and is not subject to excessive heat. Excessive heat or a blocked lubricant pathway may cause the unit to build up excessive pressure and rupture or explode causing severe bodily injury.
- Do not use this product near heaters, radiators, furnaces or other pieces of equipment that may produce sparks, flames or high heat.
- Do not take apart any G-Power gas-pressurized unit.
- Only use Timken-certified attachments and accessories to connect the G-Power device to the equipment application. Failure to do so may damage the device and the equipment and may result in bodily injury.
- Always check the suitability of any lubricant with the manufacturer of the equipment to be lubricated prior to use. A wide variety of lubricant oils and greases are available for this G-Power unit depending on the equipment to be lubricated.
- Avoid direct contact of lubricant with skin. Do not swallow or ingest the lubricant. If ingested or swallowed, call a physician or Poison Control center for most current instructions. If professional advice is not available, do not induce vomiting.
- "Empty" devices always retain some amount of lubricant whether or not lubricant is visible. Do not pressurize, mechanically modify or expose used devices to heat, flame or static electricity. They may cause serious bodily harm.

HOW G-POWER WORKS

By tightening the plastic activating screw, the gas generator falls into the liquid electrolyte. A chemical reaction builds up pressure, which causes the piston to move down/forward. The lubricant is continuously injected into and through the lubrication point. At the end of the lubrication period the discharge indicator cap becomes clearly visible, indicating the lubricant has been fully discharged. The delay between activation and lubrication depends on the Timken G-Power unit type as well as environmental conditions such as temperature. Model 101 and Model 103 contain 4.05 oz. (120 cc) of lubricant, which is roughly equal to 100 shots of grease; Model 102 contains 3.38 oz. (100 cc) of lubricant, or approximately 83 shots of grease.

The Timken Company
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